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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Michael Eugene Broach et al. Examiner: Not yet assigned  
Serial No.: 10/780,375 Group Art Unit: 2829  
Filed: February 17, 2004 Docket: 50019.261US11/P05695P01  
Confirmation No.: 1831  
Title: ADAPTIVE SLOPE COMPENSATION FOR SWITCHING REGULATORS

CERTIFICATE UNDER 37 CFR 1.8:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on November 3, 2006.

By: 

Name: Alice Baum

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

We are transmitting herewith the attached:

- ☒ Transmittal Sheet in duplicate containing Certificate of Mailing
- ☒ Supplemental Information Disclosure Statement, Form 1449, 10 References
- ☒ Return postcard

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers or any future reply, if appropriate. Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. A duplicate of this sheet is enclosed.

MERCHANT & GOULD P.C.  
P.O. Box 2903, Minneapolis, MN 55402-0903  
206.342.6200

By: 

Name: Brett A. Hertzberg

Reg. No.: 42,660

BAH/ab

**23552**

PATENT TRADEMARK OFFICE



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Michael E. Broach et al. Examiner: Jermele M. Hollington  
Serial No.: 10/780,375 Group Art Unit: 2829  
Filed: February 17, 2004 Docket No.: 50019.261US11/P05695P01  
Title: ADAPTIVE SLOPE COMPENSATION FOR SWITCHING  
REGULATORS

CERTIFICATE UNDER 37 CFR 1.8:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 November 3, 2006.

By:   
Name: Alice Baum

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (37 C.F.R. § 1.97(b))

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

This statement should be considered because no item of information listed on the enclosed Form 1449 was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement. This statement is submitted as certified below under 37 C.F.R. §1.97(e)(1) or (2) by the undersigned.

Certification Under 37 C.F.R. §1.97(e)(2)

In accordance with 37 C.F.R. §1.97(c) or §1.97(d), the undersigned hereby certifies that no item of information listed on the enclosed Form 1449 was cited in a communication from a foreign patent office in a counterpart foreign application, and to the knowledge of the undersigned after making a reasonable inquiry, no item of information listed on the enclosed

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Form 1449 was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.

A copy of any foreign patent document or "Other Document" listed on the Form 1449 is enclosed, in accordance with 37 C.F.R. § 1.98(a)(2). Because this application was filed after June 30, 2003, copies of the U.S. Patents and U.S. patent publications listed on the enclosed Form 1449 are not provided.

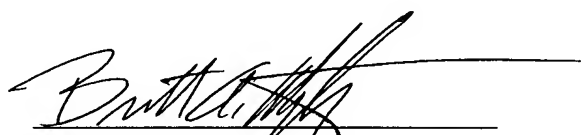
No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to establish that the reference(s) are not "prior art." Moreover, Applicants do not represent that a reference has been thoroughly reviewed or that any relevance of any portion of a reference is intended.

Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

Please charge the amount of \$180.00 for the fee set forth in 37 C.F.R. § 1.17(p), and charge any additional fees or credit any overpayment to Deposit Account No. 13-2725.

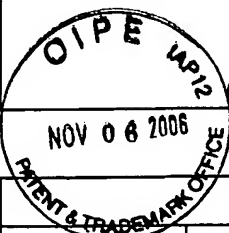
Respectfully submitted,

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<b>FORM 1449*</b> <b>INFORMATION DISCLOSURE STATEMENT</b>  	<b>IN AN APPLICATION</b> (Use several sheets if necessary)	<b>Docket Number:</b> 50019.261US11/P05695P01	<b>Application Number:</b> 10/780,375
	<b>Applicant:</b> Michael E. Broach et al.		
	<b>Filing Date:</b> February 17, 2004	<b>Group Art Unit:</b> 2829	

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,672,518	6/9/97	Murdock	363	21	
	4,717,994	1/5/88	Daiz et al.	363	21	
	4,837,495	1/6/89	Zansky	323	222	
	4,975,820	12/4/90	Szepesi	363	21	
	5,903,452	5/11/99	Yang	363	97	
	6,282,111	8/28/01	Illingworth	363	98	
	6,487,099	11/26/02	Perkins et al.	363	98	

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
		C. K. Tse, et al., "Control of Bifurcation in Current-Programmed DC/DC Converters: A Reexamination of Slope Compensation," <i>IEEE International Symposium on Circuits and Systems Geneva 2000</i> , May 28-31 2000, Vol. 4 - pgs. 671-674.
		C. K. Tse, et al., "Control of Bifurcation in Current-Programmed DC/DC Converters: An Alternative Viewpoint of Ramp Compensation," <i>IEEE 26th Annual Conference of Industrial Electronics Society</i> , Oct 22-28, 2000, Vol. 4 - pgs. 2413-2418.
		Chung-Chieh Fang, "Exact Orbital Stability Analysis of Static and Dynamic Ramp compensations in DC-DC Converters," <i>IEEE International Symposium on Industrial Electronics</i> , June 12-16, 2001, Vol 3, pgs. 2124-2129.



<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.	